United States Department of Agriculture | Forest Service | NA-Morgantown

File Code: 3410
Route To:

Date: October 10, 1995

Subject: Cherry Scallop Shell Moth Damage

To: Forest Supervisor, Allegheny NF

On September 6-7, 1995, Patricia Gundrum, Pathologist, and I ground checked seven areas of the Bradford Ranger District. (See attached map.) These areas were indicated to have moderate to heavy cherry scallop shell moth damage by the aerial survey conducted by the state of Pennsylvania.

1) There was no general defoliation or discoloration observed in this area. There was approximately one acre of sourgum (Nyssa sylvatica) at the base of the Rimrock overlook affected by a shield bearer moth, tubelo leafminer (Antispila nysaefoliella).

2) This area had a very light scattering of overstory oak (Quercus sp.) that was dying, and a general scattering of understory red maple (Acer rubrum) discolored and wilted. Probable cause of the oak decline was previous years of defoliation by gypsy moth (Lymantria dispar) and the current drought conditions. Red maple contained Phyllosticta leaf spot as well as other foliar spots that may be attributed to the presence of opportunistic saprophytes. The red maple foliage appeared, overall, very lackluster and wilted. The leaves from afar appeared to be prematurely senescing. The red maple's condition was probably brought on by drought.

3) This was not indicated as a problem area on the aerial defoliation sketch map. Discoloration and new mortality were observed from the ground. Many of the sugar maple (Acer saccharum) in this area had dried leaves hanging on the twigs. The leaves were not chloratic or necrotic (brown), but appeared to be suffering from a possible vacular wilt problem. There were noticeable signs of previous branch cankers that had callused. Although there was suspicion of twig borer damage, no current signs were evident. The petioles were necrotic closest to the leaf blade, which suggested possible infection of petiole by a pathogen. In the lab the petioles were flamed and plated on potato dextrose agar. After five days, several pure cultres of fungi appeared. All of the fungi observed appeared to be either epiphytes or saprophytes. Some of them included identifiable Epicoccum sp., Alternaria sp., and Sporobolomyces sp. Further examination in the spring will bring to light a possible continuing problem.

4) The sweet birch (Betula leuta) in this area had premature leaf yellowing and leaf drop. The probable cause were the drought conditions. No insect or disease damage was observed.

5) The western half of this area was recently logged and the downed tops had turned brown giving the appearance of cherry scallop shell moth damage. The eastern half was an area previously logged, with cherry sapling regeneration. This regeneration area had moderate cherry scallop shell moth damage.

6&7) These areas had light and moderate cherry scallop shell moth damage, respectfully.

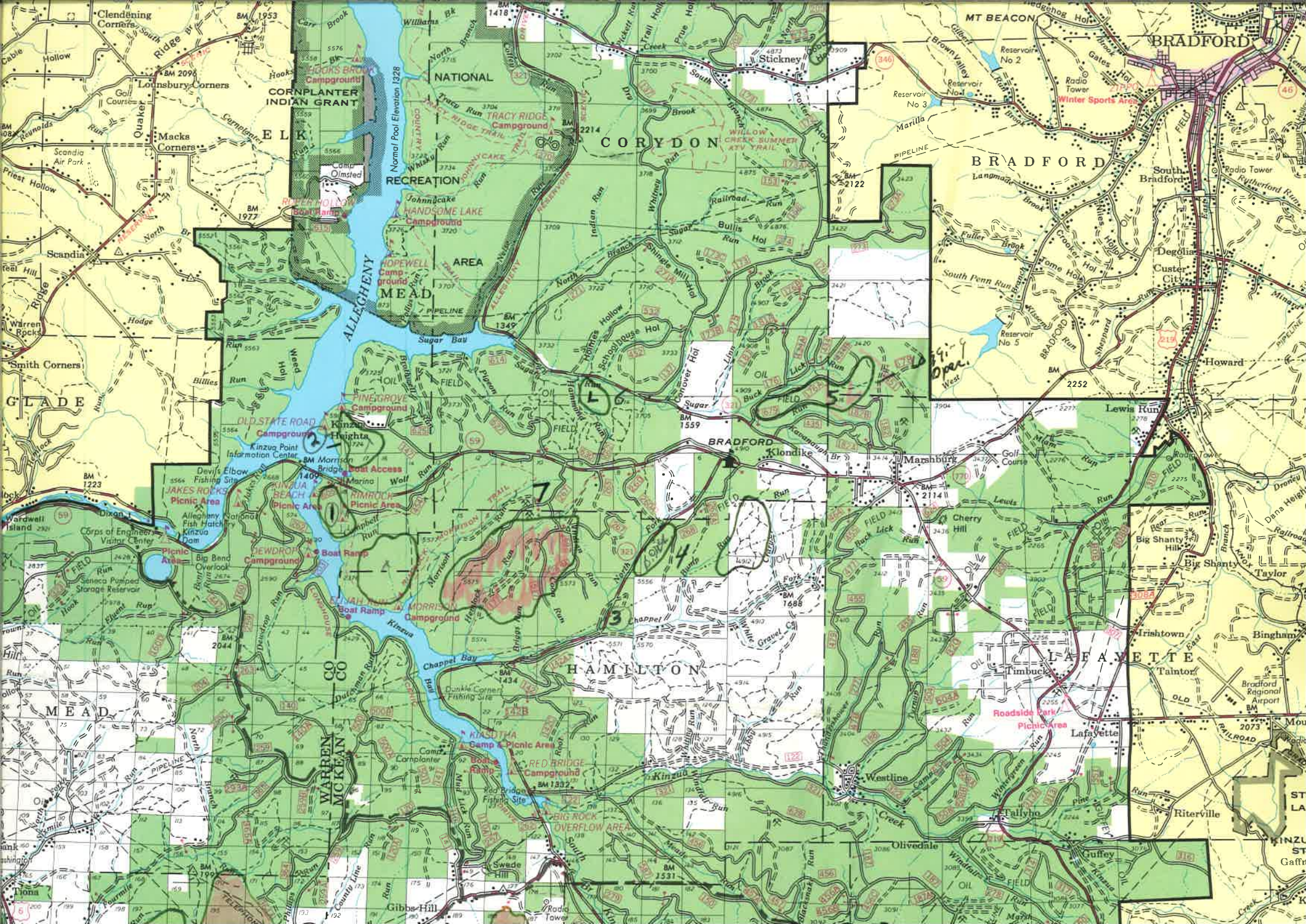
If you have any questions, please contact me at (304) 285-1544 or DG: J.Omer:S24L08A.

JOHN R. OMER
Entomologist
Forest Health Protection

Attachments

cc: S.Kobielski, Bradford RD
R.White, SO

JRO/mae


CORNPLANTER INDIAN GRANT
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RECREATION
AREA
ALLEGHENY
RESERVOIR
Normal Pool Elevation 1328
CORYDON
ELK
MEAD
GLADE
HAMILTON
LAFAYETTE
WARREN
MCKEAN
CO
CO
BRADFORD
Clendening Corners
Loomsbury Corners
Macks Corners
Scandia
Smith Corners
Warren Rocks
Dixon
Wardwell Island
Tiona
Gibbs Hill
Swede Hill
Dunkle Corners
Stickney
Klondike
Marshburg
Howard
Lewis Run
Cherry Hill
Big Shanty Hill
Big Shanty
Taylor
Bingham
Trishtown
Taintor
Timbuck
Lafayette
Westline
Tallyho
Olivedale
Guffey
Riterville
Degolia
Custer City
South Bradford
Mt Beacon
Reservoir No 1
Reservoir No 2
Reservoir No 3
Reservoir No 5
Radio Tower
Winter Sports Area
Bradford Regional Airport
Scandia Air Park
Golf Course
Camp Olmsted
HOOKS BROOK Campground
TRACY RIDGE Campground
HANDSOME LAKE Campground
RIVER HOLLOW Boat Ramp
HOPEWELL Campground
PINE GROVE Campground
OLD STATE ROAD Campground
KINZUA HEIGHTS
KINZUA BEACH Picnic Area
JAKES ROCKS Picnic Area
RIMROCK Picnic Area
DEWDROP Campground
MORRISON Campground
KIASUTHA Camp & Picnic Area
RED BRIDGE Campground
BIG ROCK OVERFLOW AREA
Kinzua Point Information Center
Devils Elbow Fishing Site
Morrison Bridge
Boat Access
Marina
Boat Ramp
Big Bend Overlook
Seneca Pumped Storage Reservoir
Corps of Engineers Visitor Center
Allegheny National Fish Hatchery
Kinzua Dam
Dunkle Corners Fishing Site
Red Bridge Fishing Site
Roadside Park Picnic Area
Radio Tower
Gravel Pit
Oil Field
Pipeline
Railroad
Sugar Bay
Chappel Bay
Kinzua
Allegheny
Bradford
Sugar
Whitney
Indian
Railroad
Bullis
Shingle Mill
Conover Hol
Schoolhouse Hol
Holmes Hollow
Johnnycake
Tracy Run
Tracy Ridge Trail
Willow Creek Summer ATV Trail
Country Scenic
Marilla
Langmade
Fuller
Crooker Hol
Tome Hollow
South Penn Run
Bradford Run
Sheppard
Lewis Run
Buck Lick Run
Dana Heights
Railroad
Pipeline
Oil
Gas
BM 1418
BM 2214
BM 2122
BM 1977
BM 1349
BM 1559
BM 2252
BM 2114
BM 1688
BM 1434
BM 1332
BM 1531
BM 2044
BM 1223
BM 2098
BM 1953
BM 2073
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